

**I Claim:**

1. A mobile fire fighting system comprising:  
a frame;  
5 an operations cab attached to the frame;  
a CO<sub>2</sub> source attached to the frame, the CO<sub>2</sub> source providing at least  
about 10,000 pounds of liquid CO<sub>2</sub>;  
a pellet generating assembly attached to the frame;  
a first line connecting the CO<sub>2</sub> source to the pellet generating  
10 assembly;  
a pellet distribution assembly attached to the frame;  
and a second line connecting the pellet distribution assembly to the  
pellet generating assembly;  
whereby, the system is capable of generating and distributing  
15 densified CO<sub>2</sub> to prevent or extinguish fires.

2. A mobile fire fighting vehicle comprising:  
a base;  
an engine;  
20 an operations cab;  
a plurality of rolling means;  
a fuel tank;  
the engine, operations cab, rolling means and fuel tanks being  
attached to the base;  
25 a CO<sub>2</sub> source;  
a first chamber;  
a pellet densifier;  
a pivot;  
a boom;  
30 a pellet distributor;

the CO<sub>2</sub> source being operationally connected to the first chamber, the first chamber being operationally connected to the pellet densifier, the pellet densifier being operationally connected to the pellet distributor; and  
the pellet distributor being positioned on the boom, the boom being affixed to the base through the pivot.

3. A fire fighting system comprising:

a CO<sub>2</sub> source;

a pellet generating assembly;

the pellet generating assembly capable of generating solid densified CO<sub>2</sub> pellets;

a pellet distributor; and,

the pellet distributor capable of distributing the solid densified CO<sub>2</sub> pellets at a location;

whereby the system is capable of generating and distributing a blanket of CO<sub>2</sub> pellets to cover the location.

4. A fire fighting system for protecting a structure from fire comprising:

a CO<sub>2</sub> source capable of holding at least about 10,000 pounds of CO<sub>2</sub>;

a pellet generating assembly;

the pellet generating assembly capable of generating solid densified CO<sub>2</sub> pellets;

a plurality of pellet distributors, the pellet distributor capable of distributing the solid densified CO<sub>2</sub> pellets;

at least one of the pellet distributors attached to a support;

at least one of the pellet distributors attached to the structure;

whereby the system is capable of generating and distributing a blanket of CO<sub>2</sub> pellets to cover the structure and location adjacent to the structure with a blanket of solid CO<sub>2</sub> pellets.

5. A fire fighting system comprising:

a CO<sub>2</sub> source;

a pellet generating assembly;

the pellet generating assembly capable of generating solid densified CO<sub>2</sub> pellets;

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a pellet distributor; and,

the pellet distributor capable of distributing the solid densified CO<sub>2</sub> pellets at a location;

a sensor, the sensor capable of detecting a fire and operationally associated with the system to activate the system upon detection of a fire;

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whereby the system is capable of generating and distributing a blanket of CO<sub>2</sub> pellets to cover the location upon detection of a fire by the sensor.